

### Claim Amendments

Please amend claims to be as follows.

1. (currently amended) A method of securely displaying visual data comprising the steps of:
  - generating a private key and a corresponding public key within a display apparatus;
  - securely storing the private key within the display apparatus such that the private key is inaccessible from outside the display apparatus;
  - communicating the public key from the display apparatus to an encryption apparatus;
  - encrypting the visual data at the encryption apparatus using the public key, whereby encrypted visual data is formed;
  - transporting the encrypted visual data from the encryption apparatus to the display apparatus;
  - decrypting the encrypted visual data within the display apparatus such that an electronic version of the visual data is maintained within integrated circuits elements that are substantially inaccessible, wherein the integrated circuits comprise a decryption integrated circuit and a display integrated circuit, and further wherein, in order to pass the visual data from the decryption integrated circuit to the display integrated circuit, the decryption integrated circuit encodes the visual data and the display integrated circuit decodes the visual data; and
  - displaying the visual data as a visual image.
2. (canceled)
3. (canceled)

4. (currently amended) The method of ~~claim 3~~ claim 1 wherein ~~the diffractive light valve comprises a diffractive light valve.~~ displaying the visual data as a visual image comprises:
  - generating red, green and blue light;
  - combining the red, green and blue light using a prism;
  - forming a wedge focused light using a compound lens so as to illuminate an array of controllable light modulating elements;
  - controlling the light modulating elements using the visual data;
  - projecting modulated light onto a scanning mirror; and
  - scanning the modulated light across a display screen using the scanning mirror.
5. (canceled)
6. (canceled).
7. (currently amended) The method of ~~claim 4~~ claim 1 wherein the display integrated circuit comprises a driver circuit for driving ~~[[the]]~~ a diffractive light valve.
8. (currently amended) The method of ~~claim 4~~ claim 1 wherein the step of displaying the visual data comprises scanning a line image over a display screen such that the visual image has low persistence.
9. (canceled)

10. (currently amended) The method of ~~claim 4~~ claim 1 wherein the step of transporting the encrypted visual data comprises electronic transmission.
11. (original) The method of claim 10 wherein the electronic transmission is selected from the group consisting of satellite transmission, optical fiber transmission, and internet transmission.
12. (currently amended) The method of ~~claim 4~~ claim 1 wherein the step of transporting the encrypted visual data comprises recording the encrypted visual data on a storage medium and physically transporting the storage medium.
13. (previously presented) The method of claim 12 wherein the storage medium comprises a standard storage medium.
14. (previously presented) The method of claim 12 wherein the storage medium comprises a non-standard storage medium.
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (currently amended) A system for securely transmitting and displaying visual data comprising:

an encryption apparatus for encrypting the visual data, whereby encrypted visual data is formed;

means for transporting the encrypted visual data from the encryption apparatus to a display facility; and

a display apparatus located at the display facility that receives the encrypted visual data, the display apparatus decrypting the encrypted visual data such that an electronic version of the visual data is maintained within integrated circuits elements that are substantially inaccessible and that the visual data is encoded before being passed between the integrated circuits, the display apparatus displaying the visual data as a visual image,

wherein the encryption apparatus uses a public key for encrypting the visual data, and

wherein the display apparatus uses a private key for decrypting the visual data, the private key being generated within and securely residing within the display apparatus so as to be inaccessible from outside the display apparatus.

20. (canceled)

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)

25. (currently amended) The system of ~~claim 22~~ claim 19 wherein the display apparatus includes a scanning device for scanning a linear image over a display screen such that the visual image has low persistence.
26. (currently amended) The system of ~~claim 22~~ claim 19 wherein the means for transporting the encrypted visual data includes means for electronic transmission.
27. (original) The system of claim 26 wherein the means for electronic transmission is selected from the group consisting of satellite transmission, optical fiber transmission, and internet transmission.
28. (currently amended) The system of ~~claim 22~~ claim 19 wherein the means for transporting the encrypted visual data includes a storage medium, the storage medium holding the encrypted visual data during transport of the storage medium.
29. (previously presented) The system of claim 28 wherein the storage medium comprises a standard storage medium.
30. (previously presented) The system of claim 28 wherein the storage medium comprises a non-standard storage medium.
31. (canceled)
32. (canceled)

33. (canceled)
34. (canceled)
35. (currently amended) A display apparatus for displaying encrypted visual data comprising circuit elements that are substantially inaccessible, the circuit elements comprising a decryption circuit for decrypting the encrypted visual data, whereby visual data is formed, the circuit elements comprising a display circuit for displaying the visual data as a visual image, such that an electronic version of the visual data is maintained within the circuit elements, wherein the display apparatus uses a private key for decrypting the encrypted visual data, wherein the private key is generated within and securely resides within the display apparatus such that the private key is inaccessible from outside the display apparatus, [[and]] wherein the encrypted visual data is generated outside the display apparatus using a public key corresponding to the private key, and wherein the visual data is encoded prior to passing between the circuit elements of the display apparatus.
36. (original) The display apparatus of claim 35 wherein the display circuit comprises a diffractive light valve for displaying the visual image.
37. (original) The display apparatus of claim 36 wherein the diffractive light valve is a grating light valve.
38. (currently amended) A display apparatus for displaying encrypted visual data comprising:

a decryption circuit for decrypting the encrypted visual data, whereby the visual data is formed; and

a display circuit including a diffractive light valve for displaying the visual data as a visual image,

wherein the display apparatus uses a private key for decrypting the encrypted visual data,

wherein the private key is generated within and securely resides within the display apparatus such that the private key is inaccessible from outside the display apparatus, [[and]]

wherein the encrypted visual data is generated outside the display apparatus using a public key corresponding to the private key, and

wherein the visual data is encoded prior to passing the visual data from the decryption circuit to the display circuit.